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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/801,351	03/07/2001	Calvin D. Ostler	5038.1 P 4906		
²⁸²¹³ DLA PIPER U	7590 05/22/200 S LLP	7	EXAMINER		
4365 EXECUTIVE DRIVE			WILSON, JOHN J		
SUITE 1100 SAN DIEGO, (CA 92121-2133		ART UNIT	PAPER NUMBER	
			3732		
		•	MAIL DATE	DELIVERY MODE	
			05/22/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)			
	09/801,351	OSTLER ET AL.			
Office Action Summary	Examiner	Art Unit			
	John J. Wilson	3732			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 26 M	Responsive to communication(s) filed on <u>26 March 2007</u> .				
<u> </u>	<i>,</i> —				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ☐ Claim(s) 148,149 and 152-170 is/are pending in 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 148,149,152-158 and 160-170 is/are a 6) ☐ Claim(s) 159 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. allowed.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/26/07.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te			

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 159 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mills et al (WO 99/16136) in view of Hochstein (6045240). Mills shows a a plurality of LEDs 43, thermal substrate 48, heat pipe 45, pages 14 and 15, and Fig. 5, located between the LED substrate 48 and heat sink 51 and control circuitry 42, 44 and 52. Mills does not show using LEDs that have a first electrically and thermally conductive substrate connected to a second thermally conductive and electrically insulating substrate. Hochstein shows LEDs 28 that include a first substrate 50 that is electrically and thermally conductive, column 8, lines 20-25, and a second substrate 56, 58 that is thermally conductive and electrically insulating and connected to a heat sink 36, column 6, lines 5-34. It would be obvious to one of ordinary skill in the art to modify Mills to include using LEDs as shown by Hochstein in order to better distribute the heat away from the source and electrically isolate the conductive parts. The method steps are obvious in view of shown assembled structure.

Allowable Subject Matter

Claims 148, 149, 152-158 and 160-170 allowed.

Information Disclosure Statement

The IDS filed March 26, 2007 has been considered and an initialed copy is attached.

Response to Arguments

Applicant's arguments filed March 26, 2006 have been fully considered but they are not persuasive. Applicant's remarks are responded to in the above indication of allowable subject matter.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later

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than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to John J. Wilson whose telephone number is 571-272-

4722). The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Cris Rodriguez, can be reached at 571-272-4964. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

John J. Wilson
Primary Examiner

4th J. Wilson

Art Unit 3732

jjw

May 18, 2007